

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval 		
Description Work Order Deviation				Disposition					
								Completed By	
								Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval					

Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐		
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐		
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐		
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐		
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐		
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
Misidentified ☐	Past Due ☐						

Work Order ID 157252

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157252

Page 2

Item ID: D412-706-011**Accept*****N900040100*****Setup Start *NS1*****Revision ID:****Stop *NS2*****Item Name:** Fuel Purge Canister**Start Date:** 2/13/2017 **Start Qty:** 1.00 ***1*****Cust Item ID:****Required Date:** 2/17/2017 **Req'd Qty:** 1.00 ***1*****Customer:****Reference:****Approvals:** **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____**Run Start *NR1*****QC:** _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____**Stop *NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00				DAS 28 9-89		APR 2 6 2017	
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPPD412-706-011 Location:FG018								
140	QC21- Final Inspection - Work Order Release	0.00				DAS 21 9-89		APR 2 6 2017	
140									
QC	Memo	0.00							
Quality Control									

**DAS
21
9-89 APR 2 6 2017**

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Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
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Misidentified ☐	Past Due ☐								

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:E 04.12.03 Remove AN6289-6D; Change Qty of 924-6DKJ/JLM
IPP Rev:F 08-05-14 revise comment in seq.17 /24 DD verf:EC IPP rev G
10.01.18 per DSI9494 EC verified by:DD IPP Rev:H 10.03.23
as per IIN revA DD verified by:EC IPP Rev:I 10.05.10 as per
chg003 DD verified :EC IPP REV K 11.06.17 AS PER CHG
002 JLM VERIFIED BY:ec IPP Rev:L 12.12.07 as per IIN revB DD
verified by:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2001-4 *D2001-4* Valve Assembly 1/4 inch		Manufactured	No			110	Each	3.0000	1	1			DAS 27 9-89
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST001		3							
				152596		3							
D3262-043 *D3262-043* Canister Assembly		Manufactured	No			110	Each	1.0000	1	1			DAS 27 9-89
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				ST492		1							
				156743		1							
D3264-1 *D3264-1* Bracket		Manufactured	No			110	Each	6.0000	2	2			DAS 27 9-89
				<u>Location</u>		<u>Loc Qty</u>		<u>Loc Code</u>					
				st493		6							
				144604		6							

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Root Cause				FAULT CATEGORY			
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐		
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐		
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐		
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____					
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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

D3297-1-0098

Manufactured No

110 Each

3.0000

D3297-1-0098

Hose Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

ST209

3

155431

2

97288

1

110 Each

3.0000

**

1
MAR 27 2017

DAS
6
9-89

DAS
27
9-89

D3297-1-0121

Manufactured No

110 Each

3.0000

D3297-1-0121

Hose Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

ST209

3

144480

1

155422

2

110 Each

3.0000

**

1
MAR 27 2017

DAS
6
9-89

DAS
27
9-89

D3297-3-0210

Manufactured No

110 Each

3.0000

D3297-3-0210

Hose Assembly 21.00"

DAS
28
9-89

Location

Loc Qty

Loc Code

ST209

3

108120

3

110 Each

2.0000

**

1
MAR 27 2017

DAS
6
9-89

DAS
27
9-89

D3298-005

Manufactured No

110 Each

2.0000

D3298-005

Tube Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

ST210

2

107562

2

**

1
MAR 27 2017

DAS
6
9-89

DAS
27
9-89

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

D3298-007

Manufactured No

110

Each

5.0000

1

1

**

D3298-007

Tube Assembly

DAS
28
9-89

Location

Loc Qty

Loc Code

ST210

5

105966

1

155469

4

110

Each

21.0000

1

1

**

D3299-5

Manufactured No

D3299-5

Fitting

DAS
28
9-89

Location

Loc Qty

Loc Code

ST030

5

86846

5

ST051A

16

109124

16

110

Each

3.0000

1

1

**

D3299-3

Manufactured No

D3299-3

Fitting

DAS
28
9-89

Location

Loc Qty

Loc Code

ST030

3

103866

3

110

Each

18.0000

1

1

**

D3299-7

Manufactured No

D3299-7

Fitting

DAS
28
9-89

Location

Loc Qty

Loc Code

ST030

5

95411

5

ST051A

13

109125

13

MAR 27 2017

MAR 27 2017

MAR 27 2017

MAR 27 2017

DAS
6
9-89
DAS
27
9-89

DAS
6
9-89
DAS
27
9-89

DAS
6
9-89
DAS
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9-89

DAS
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27
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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

D4054-001 Manufactured No

110 Each 1.0000

D4054-001

Tube Assembly

**

1 1 DAS 6 9-89

MAR 29 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

ST214

1

155762

1

D4054-003 Manufactured No

110 Each 1.0000

D4054-003

Tube Assembly

**

1 1 DAS 6 9-89 158559 1710369

MAR 27 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

ST214

1

155742

1

D4054-009 Manufactured No

110 Each 1.0000

D4054-009

Tube Assembly

**

1 1 DAS 6 9-89 158559

MAR 29 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

ST214

1

155676

1

D3301-1 Manufactured No

110 Each 2.0000

D3301-1

Placard

**

1 1 DAS 6 9-89 158559

MAR 27 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

ST030

2

152606

2

AN3-5A Purchased No

110 Each 240.0000

AN3-5A

Bolt

**

11/8/2017 4 4 DAS 6 9-89

MAR 27 2017

DAS 27 9-89

Location

Loc Qty

Loc Code

ST350

240

m136182

240

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32.2 24.2			Completed By								
			Lead hand / Supervisor Approval Verification								
			QC / QA Coordinator Approval								
Root Cause <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ </td> <td style="width: 50%; vertical-align: top;"> No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐ </td> </tr> </table>		Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	FAULT CATEGORY <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; vertical-align: top;"> Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ </td> <td style="width: 33%; vertical-align: top;"> Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ </td> <td style="width: 33%; vertical-align: top;"> Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ </td> <td style="width: 33%; vertical-align: top;"> Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐ </td> </tr> </table>				Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐										
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OTHER : _____											

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

AN814-8D	Purchased	No	110	Each	4.0000	1	1	
AN814-8D						**		
Plug								
DAS 28 9-89								DAS 27 9-89
								MAR 27 2017

AN815-6D	Purchased	No	110	Each	16.0000	2	2	
AN815-6D						**		
Union M Flare								
DAS 28 9-89								DAS 27 9-89
								MAR 27 2017

AN815-8D	Purchased	No	110	Each	17.0000	1	1	
AN815-8D						**		
Union-M-Flare								
DAS 28 9-89								DAS 27 9-89
								MAR 27 2017

AN833-6D	Purchased	No	110	Each	11.0000	2	2	
AN833-6D						**		
Elbow, Bulkhead-M-Flare								
DAS 28 9-89								DAS 27 9-89
								MAR 27 2017

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :	MRB (QSI042) Approval		
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

NAS1149D0332J

Purchased

No

110

Each

1,306.000

4

4

NAS1149D0332.J

Washer

**

Location

Loc Qty

Loc Code

FP001

20

m134848

20

GA

98

m134848

98

ST260a

600

m136643

600

ST264

588

m136015

588

NAS1149D0363J

Purchased

No

110

Each

1,027.000

8

8

NAS1149D0363.J

Washer

**

Location

Loc Qty

Loc Code

GA

197

m134055

197

ST263

830

m136318

23

m136781

807

NAS1149D0963J

Purchased

No

110

Each

81.0000

2

2

NAS1149D0963.J

Washer

**

Location

Loc Qty

Loc Code

ST263

81

m135671

81

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____	MRB (QSI042) Approval		
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Picklist Print

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

MS21042L3 Purchased No

110 Each 2,239.000 4 4

MS21042L3

**

Nut

DAS
28
9-89

Location	Loc Qty	Loc Code
FP001	100	
m135945	100	
GA	318	
m134360	108	
m135135	18	
M136665	192	
OVER007	300	
m134360	0	
M136665	300	
ST303	521	
M136406	21	
<u>M136554</u>	500	4
ST3030	1000	
M136838	1000	

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

MS21919-WDG9 Purchased No

110 Each 69.0000 2 2

MS21919-WDG9

**

Clamp

DAS
28
9-89

Location	Loc Qty	Loc Code
ST293	69	
m135865	69	

134 57

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

MS21920-42 Purchased No

110 Each 6.0000 2 2

MS21920-42

**

CLAMP

DAS
28
9-89

Location	Loc Qty	Loc Code
ST546	6	
<u>m134530</u>	1	1
<u>m136055</u>	5	1

DAS
6
9-89

MAR 27 2017

DAS
27
9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : _____					

Picklist Print

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Work Order ID: 157252

157252

Parent Item: D412-706-011

D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 2/13/2017

Required Date: 2/17/2017

Start Qty: 1.00

Required Qty: 1.00

MS29512-06
Purchased No
MS29512-06
O-Ring

110 Each 17.0000 7 7

**

0136983x2

DAS 28 9-89 MAR 27 2017 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
OVER007	12	
m136044	12	
ST274	5	
m136605	5	

5

MS29512-08
Purchased No
MS29512-08
O-RING

110 Each 55.0000 3 3

**

DAS 28 9-89 MAR 27 2017 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST274	55	
m128224	8	
m129624	47	

3

MS35489-16
Purchased No
MS35489-16
GROMMET

110 Each 7.0000 1 1

**

DAS 28 9-89 MAR 27 2017 27 9-89

DAS 28 9-89

Location	Loc Qty	Loc Code
ST269	7	
121255	7	

1

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Wednesday, March 22, 2017 8:40:06 AM

Page 1

NS1

Stop *NS2*

Customer:

Stop *NR2*

[illegible]

Qty -011	Qty -013	Qty -015	Part Number	Description
1			AN833-8D	ELBOW
		1	AN919-6D	REDUCER
4	4	1	AN924-6D	NUT
1			AN924-8D	NUT
1			AN938-6D	TEE
4	4	2	AN960JD10L	WASHER
8	8	8	AN960JD10	WASHER
2	2		AN960JD916	WASHER
4	4	4	MS21042L3	NUT
	1	1	MS21919WDG12	CLAMP
	2		MS21919WDG16	CLAMP
		2	MS21919WDG6	CLAMP
		3	MS21919WDG7	CLAMP
2	5		MS21919WDG9	CLAMP
2	2	2	MS21920-42	CLAMP
7	5	5	MS29512-06	O-RING (OR M83248/1-906)
3			MS29512-08	O-RING (OR M83248/1-908)
	1	1	MS35489-11	GROMMET
1			MS35489-16	GROMMET

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Revision: **B**

Date: 12.11.06

REFERENCE ONLY**5. PARTS LIST**

Qty -011	Qty -013	Qty -015	Part Number	Description
X			D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
	X		D205-706-013	FUEL PURGE CANISTER INSTALLATION (205/214/EAGLE SINGLE)
		X	D204-706-015	FUEL PURGE CANISTER INSTALLATION (204)
1	1	1	D2001-4	VALVE ASSEMBLY
		2	D2026-101	SCREW
	1	1	D3262-041	CANISTER ASSEMBLY
1			D3262-043	CANISTER ASSEMBLY
2	2	2	D3264-1	BRACKET
1			D3297-1-0098	HOSE ASSEMBLY
1	1		D3297-1-0121	HOSE ASSEMBLY
	1		D3297-1-0130	HOSE ASSEMBLY
1			D3297-3-0210	HOSE ASSEMBLY
	1		D3297-3-0350	HOSE ASSEMBLY
		1	D3297-5-0410	HOSE ASSEMBLY
	1		D3298-001	TUBE ASSEMBLY
1			D3298-005	TUBE ASSEMBLY
1			D3298-007	TUBE ASSEMBLY
	1		D3298-009	TUBE ASSEMBLY
		1	D3298-011	TUBE ASSEMBLY
		1	D3298-013	TUBE ASSEMBLY
		1	D3298-015	TUBE ASSEMBLY
	1	1	D3299-1	FITTING
1	1		D3299-3	FITTING
1			D3299-5	FITTING
1			D3299-7	FITTING
1	1	1	D3301-1	PLACARD
1	1	1	D3301-3	PLACARD
1	1		D3302-1	DOUBLER
1	1		D3302-3	DOUBLER
		1	D3302-5	DOUBLER
		2	D3302-7	DOUBLER
2			D3329-1	BUSHING
1			D4054-001	TUBE ASSEMBLY
1			D4054-003	TUBE ASSEMBLY
1			D4054-009	TUBE ASSEMBLY
4	4	4	AN3-5A	BOLT
	1	1	AN814-6D	PLUG
1			AN814-8D	PLUG
2	2	2	AN815-6D	UNION
1			AN815-8D	UNION
		1	AN816-6D	NIPPLE
2	3	1	AN833-6D	ELBOW

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